FUJITSU

Fujitsu LifeBook

P Series

BIOS Guide

LifeBook P Series Model:

P1120

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FUJITSU PC CORPORATION

P Series BIOS

BIOS SETUP UTILITY

The BIOS Setup Utility is a program that sets up the operating environment for your notebook. Your BIOS is set at the factory for normal operating conditions, therefore there is no need to set or change the BIOS environment to operate your notebook.

The BIOS Setup Utility configures:

- Device control feature parameters, such as changing I/O addresses and boot devices.
- System Data Security feature parameters, such as passwords.

Entering the BIOS Setup Utility

To enter the BIOS Setup Utility do the following:

1. Turn on or restart your notebook.
2. Press the [**F2**] key once the Fujitsu logo appears on the screen. This will open the main menu of the BIOS Setup Utility with the current settings displayed.
3. Press the [RIGHT ARROW] or [LEFT ARROW] key to scroll through the other setup menus to review or alter the current settings.

Navigating Through The Setup Utility

The BIOS setup utility consists of seven menus; Main, Advanced, Security, Power, Boot, Info and Exit. This document explains each menu, including all submenus and setup items.

The following procedures allow you to navigate the setup utility menus:

1. To select a menu, use the cursor keys: [←], [→].
2. To select a field within a menu or a submenu, use the cursor keys: [↑], [↓].

POINTS

- Selecting a field causes a help message about that field to be displayed on the right-hand side of the screen.
- Pressing the Enter key with the highlight on a selection that is not a submenu or auto selection will cause a list of all options for that item to be displayed. Pressing the Enter key again will select the highlighted choice.

3. To select the different values for each field, press the [**Spacebar**] or [**+**] to change to the next higher selection and [**F5**] or [-] to go to the next lower selection.
4. To activate a submenu press [**Enter**].
5. To return to a menu from a submenu, press [**Esc**].
6. To go to Exit menu from another menu, press [**Esc**].
7. Pressing the [**F9**] key resets all items in the BIOS to the default values.
8. Pressing the [**F10**] key saves the current configuration and exits the BIOS Setup Utility. You will be asked to verify this selection before it is executed.
9. Pressing the [**F1**] key gives you a general help screen.

Entering the Setup Utility After a Configuration Change or System Failure

If there has been a change in system configuration that does not match the parameter settings stored in your BIOS memory, or there is a failure in the system, the system beeps and/or displays an error message after the Power On Self Test (POST). If the failure is not severe, it will give you the opportunity to modify the settings of the setup utility, as described in the following steps:

1. When you turn on or restart the computer there is a beep and/or the following message appears on the screen:

   ```
   Error message - please run SETUP
   program Press <F1> key to continue,
   <F2> to run SETUP
   ```

2. If an error message is displayed on the screen, and you want to continue with the boot process and start the operating system anyway, press the [**F1**] key.

POINTS

If your settings require it, you may be asked for a password before the operating system will be loaded.

3. If an error message is displayed on the screen, and you want to enter the setup utility, press the [**F2**] key.
4. When the setup utility starts with a fault present, the system displays the following message:

   ```
   Warning!
   Error message
   [Continue]
   ```

5. Press any key to enter the setup utility. The system will then display the Main Menu with current parameters values.

MAIN MENU – SETTING STANDARD SYSTEM PARAMETERS

The Main Menu allows you to set or view the current system parameters. Follow the instructions for Navigating Through the Setup Utility to make any changes.

The following tables show the names of the menu fields for the Main menu and its submenus, all of the options for each field, the default settings and a description of the field's function and any special information needed to help understand the field's use.

POINT

System Time and System Date can also be set from your operating system without using the setup utility. Use the calendar and time icon on your Windows Control Panel. When you change these settings from your desktop, the BIOS is automatically updated with the same changes.

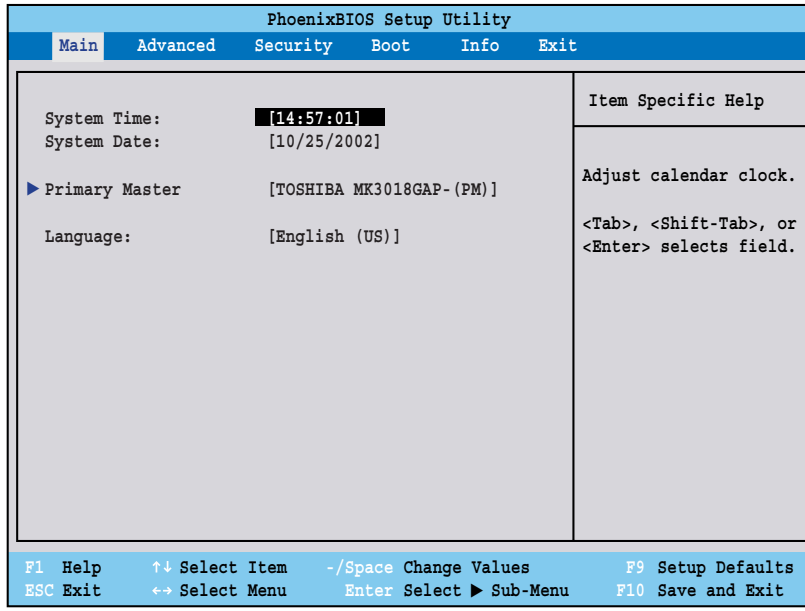

Figure 1. Main Menu

Menu Field	Options	Default	Description
System Time:	—	—	Sets and displays the current time. Time is in a 24 hour format of hours: minutes: seconds with 2 digits for each. (HH:MM:SS). Example: 16:45:57. You may change each segment of the time separately. Move between the segments with the [**Tab**] key and/or [**Shift**] + [**Tab**] keys.
System Date:	—	—	Sets and displays the current date. Date is in a month/day/year numeric format with 2 digits each for month and day and 4 digits for year. (MM/DD/YYYY) for example: 03/20/1998. You may change each segment of the date separately. Move between the segments with the [**Tab**] key and/or [**Shift**] + [**Tab**] keys.
Primary Master:	Selects Primary Master submenu	—	Displays the type of device on this ATA/ATAPI interface, if there is one. Pressing the Enter key selects the Primary Master submenu allowing additional device configuration options for this interface.
Language:	• English (US) • Japanese (JP)	[English (US)]	The default setting differs between the US/European and the Japanese model. Selects the display language for the BIOS.

Primary Master Submenu of the Main Menu

The Primary Master submenu identifies which ATA devices are installed.

Note: Actual hard drive label shown may vary. Depending on the drive type, information such as cylinders, heads and sectors may also be displayed.

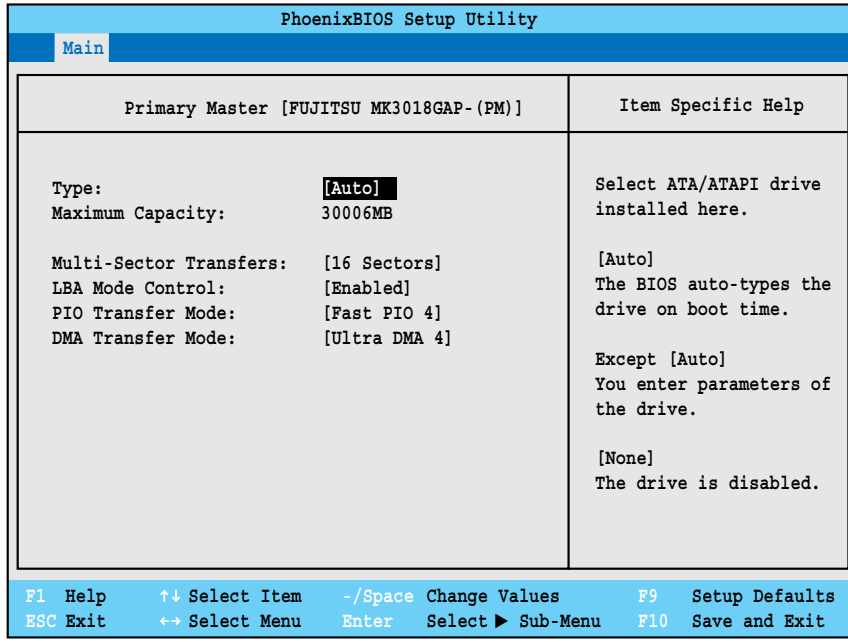
PhoenixBIOS Setup Utility
Main
Primary Master [FUJITSU MK3018GAP-(PM)]
Item Specific Help
Type: [Auto]
Maximum Capacity: 30006MB
Multi-Sector Transfers: [16 Sectors]
LBA Mode Control: [Enabled]
PIO Transfer Mode: [Fast PIO 4]
DMA Transfer Mode: [Ultra DMA 4]
Select ATA/ATAPI drive installed here.
[Auto]
The BIOS auto-types the drive on boot time.
Except [Auto]
You enter parameters of the drive.
[None]
The drive is disabled.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 2. Primary Master Submenu

Table 2: Fields, Options and Defaults for the Primary Master Submenu of the Main Menu

Menu Field	Options	Default	Description
Type:	• Auto • None • CD-ROM • Hard Disk	[Auto]	(Note: There is no drop-down menu available for the Type field. To change the options, use the plus "+" and minus "-" keys or the spacebar.) Selects the ATA/ATAPI device type. Select Auto to have the type automatically identified by the BIOS at POST. If None is selected, all of the following Set-up items do not appear. If Hard Disk is selected, you must specify the number of Cylinders, Heads, and Sectors for the drive.
Cylinders:	• A number between 0 and 65,535	—	This item appears only when the type is identified as Hard Disk. When Hard Disk is selected, you can change the value. This field is changed by incrementing (pressing the [Spacebar]) or by typing in the number.
Heads:	• A number between 1 and 16	—	This item appears only when the type is identified as Hard Disk. When Hard Disk is selected, you can change the value. This field is changed by incrementing (pressing the [Spacebar]) or by typing in the number.
Sectors:	• A number between 0 and 63	—	This item appears only when the type is identified as Hard Disk. When Hard Disk is selected, you can change the value. This field is changed by incrementing (pressing the [Spacebar]) or by typing in the number.

Table 2: Fields, Options and Defaults for the Primary Master Submenu of the Main Menu

Menu Field	Options	Default	Description
Maximum Capacity:	• Display only	—	Displays the maximum capacity of the drive calculated from the parameters of the hard disk when Hard Disk is selected.
Multi-Sector Transfers:	• Disabled • 2 Sectors • 4 Sectors • 8 Sectors • 16 Sectors • 32 Sectors • 64 Sectors • 128 Sectors	[16 Sectors]	This option cannot be changed when Auto is selected. Specify the number of sectors per block for multiple sector transfer.
LBA Mode Control:	• Disabled • Enabled	[Enabled]	Enables or disables logical Block Addressing in place of Cylinder, Head, Sector addressing. This option cannot be changed when Auto is selected.
PIO Transfer Mode:	• Standard • Fast PIO 1 • Fast PIO 2 • Fast PIO 3 • Fast PIO 4	[Fast PI0 4]	Selects the method for moving data to/from the drive. Autotype the drive to select the optimum transfer mode. This option cannot be changed when Auto is selected. Multi-word DMA is automatically set to mode 1 for Fast PIO 1, Fast PIO 2, Fast PIO 3, and set to mode 2 for Fast PIO 4 / DMA.
DMA Transfer Mode:	• Disabled • Multiword DMA 1 • Multiword DMA 2 • Ultra DMA 0 • Ultra DMA 1 • Ultra DMA 2 • Ultra DMA 3 • Ultra DMA 4	[Ultra DMA 4]	Selects the method for moving data to/from the drive. Autotype the drive to select the optimum transfer mode. This option cannot be changed when Auto is selected.

ADVANCED MENU – SETTING DEVICE FEATURE CONTROLS

The Advanced Menu allows you to:

- Enable or disable support for Plug & Play operating systems.
- Select between the display panel and an external CRT display.
- Enable or disable compensation for your display.
- Configure PCI devices in your system.
- Configure CPU, USB, and miscellaneous features.

Follow the instructions for navigating through the setup utility to make any changes.

The following tables show the names of the menu fields for the Advanced Menu and its submenus, all of the options for each field, the default settings and a description of the field's function and any special information needed to help understand the field's use.

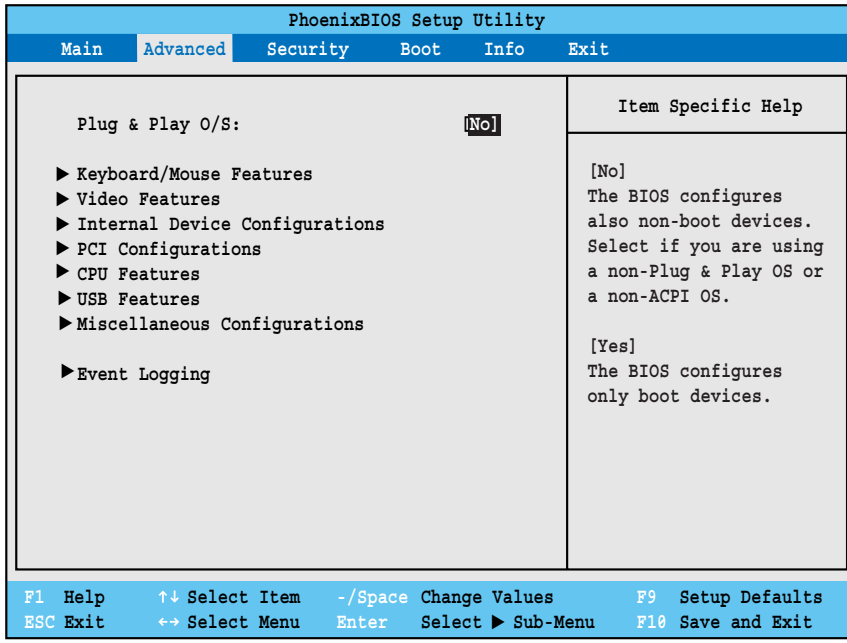

Figure 3. Advanced Menu

Table 3: Fields, Options and Defaults for the Advanced Menu

Menu Field	Options	Default	Description
Plug & Play O/S:	• No • Yes	[No]	Select **Yes** if you are using a Plug & Play capable operating system. Select **No** if you need the BIOS to configure non-boot devices.
Keyboard/Mouse Features	—	—	When selected, opens the Keyboard/Mouse Features submenu, which allows setting external and internal keyboard and mouse parameters.
Video Features	—	—	When selected, opens the Video Features submenu, which allows setting of the display parameters, including routing of video signals to different displays.
Internal Device Configurations	—	—	When selected, opens the Internal Device Configurations submenu, which allows enabling or disabling the Floppy Disk, IDE, and LAN Controllers. Note that if your system has a wireless LAN installed, all fields may not be present.

Table 3: Fields, Options and Defaults for the Advanced Menu

Menu Field	Options	Default	Description
PCI Configurations	—	—	When selected, opens additional menus to configure PCI devices.
CPU Features	—	—	When selected, opens the CPU Features submenu, which allows enabling or disabling of Processor Serial Number feature.
USB Features	—	—	When selected, opens the USB Features submenu, which allows enabling or disabling USB.
Miscellaneous Configurations:	—	—	When selected, opens the Miscellaneous Configurations submenu, which allows enabling or disabling miscellaneous features, such as the power button.
Event Logging	—	—	When selected, opens the event logging submenu.

Keyboard/Mouse Features Submenu of the Advanced Menu

The Keyboard/Mouse Features submenu is for setting the parameters of the integrated and external mouse and keyboard.

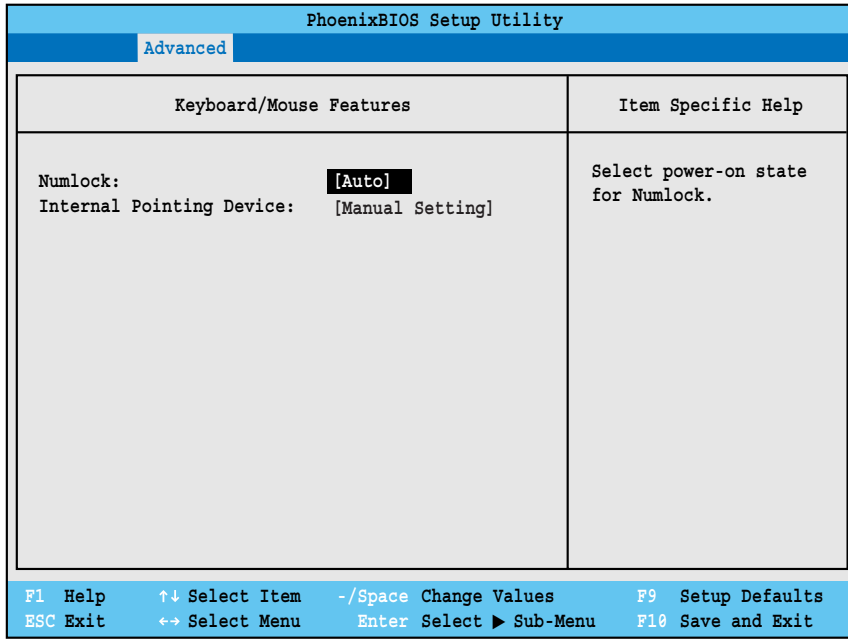
PhoenixBIOS Setup Utility
Advanced
Keyboard/Mouse Features
Item Specific Help
Numlock: [Auto]
Internal Pointing Device: [Manual Setting]
Select power-on state for Numlock.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 4. Keyboard/Mouse Features Submenu

Table 4: Fields, Options and Defaults for the Keyboard/Mouse Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Numlock:	• Auto • On • Off	[Auto]	Sets the NumLock function state when the computer completes booting.
Internal Pointing Device:	• Manual Setting • Always Enabled • Always Disabled	[Manual Setting]	Configures the internal pointing device. When Manual Setting is selected, the internal pointing device can be enabled or disabled by using the [Fn] + [F4] keys. When Always Enabled is selected, the internal device is always selected. When Always Disabled is selected, the internal pointing device cannot be used.

Video Features Submenu of the Advanced Menu

The Video Features Submenu is for setting the display parameters.

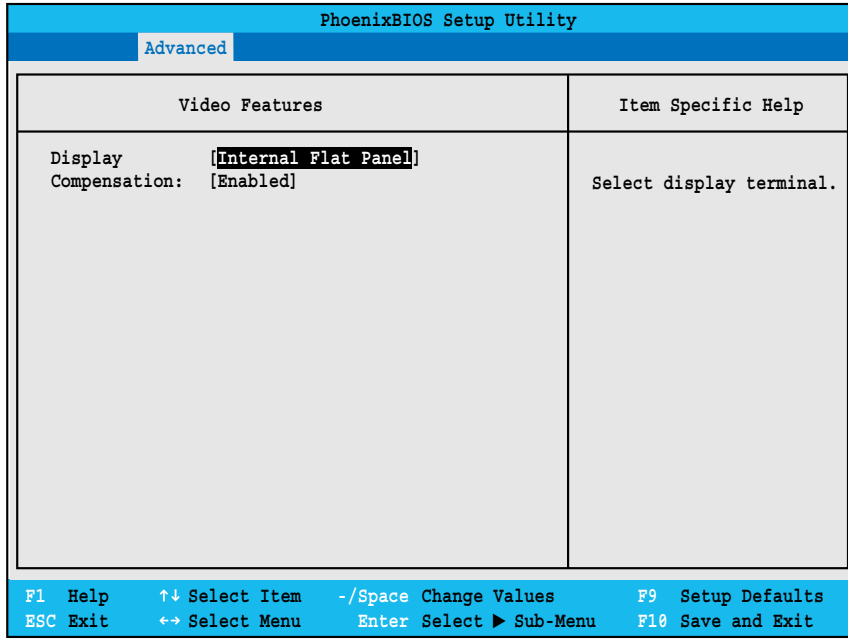
PhoenixBIOS Setup Utility
Advanced
Video Features
Item Specific Help
Display [Internal Flat Panel]
Compensation: [Enabled]
Select display terminal.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 5. Video Features Submenu

Table 5: Fields, Options and Defaults for the Video Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Display:	• Internal Flat-Panel • External • Simultaneous	[Internal Flat-Panel]	Selects where the video signal will be routed.
Compensation:	• Disabled • Enabled	[Enabled]	Enables or disables compensation which controls spacing on the display. When enabled, displays with less than pixel resolution 800 x 600 will still cover the entire screen.

Internal Device Configurations Submenu of the Advanced Menu

The Internal Device Configurations submenu allows the user to configure other internal devices.

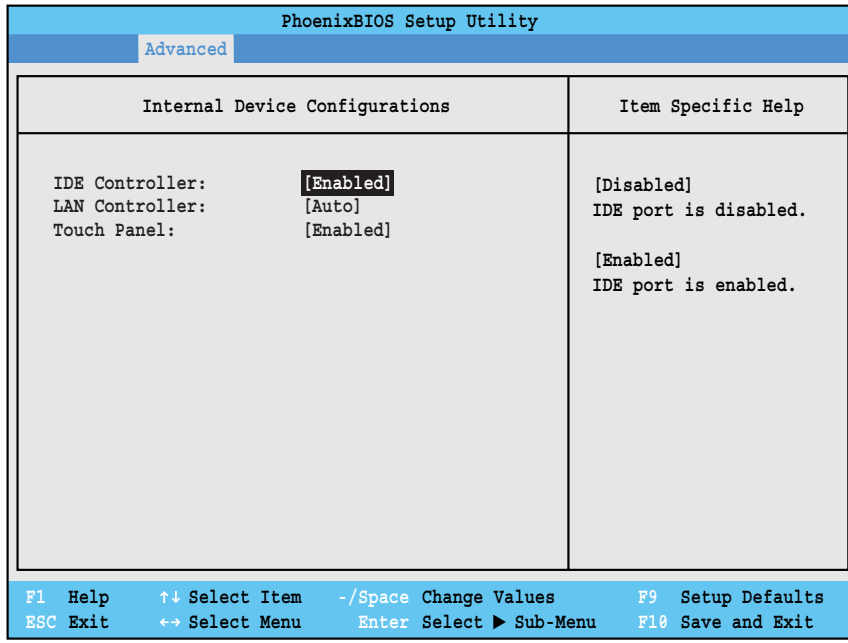
PhoenixBIOS Setup Utility
Advanced
Internal Device Configurations
Item Specific Help
IDE Controller: [Enabled]
LAN Controller: [Auto]
Touch Panel: [Enabled]
[Disabled]
IDE port is disabled.
[Enabled]
IDE port is enabled.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 6. Internal Device Configurations Submenu

Table 6: Fields, Options and Defaults for the Internal Device Configurations Submenu of Advanced Menu

Menu Field	Options	Default	Description
IDE Controller:	• Disabled • Enabled	[Enabled]	Enables or disables selected IDE controller.
LAN Controller:	• Disabled • Enabled • Auto	[Auto]	When Disabled is selected, the LAN device is disabled. When Enabled is selected, the LAN device is enabled. When Auto is selected, the LAN is always enabled when the system is connected to an AC Adapter; when running on battery power, the device is enabled only when the link is active. Note that if your system has a wireless LAN installed, all fields may not be present.
Touch Panel:	• Disabled • Enabled	[Enabled]	Enables or disables touch panel.

PCI Configurations Submenu of the Advanced Menu

The PCI Configurations submenu allows the user to reserve specific interrupts (IRQs) for legacy ISA devices, and to enable or disable built in PCI device modules.

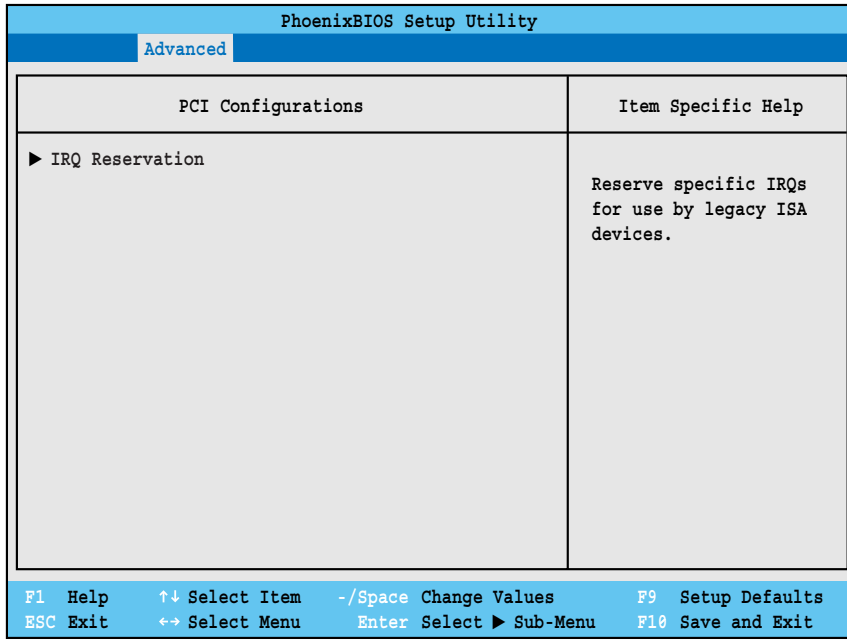

Figure 7. PCI Configurations Submenu

Table 7: Fields, Options and Defaults for the PCI Configurations Submenu of the Advanced Menu

Menu Field	Options	Default	Description
IRQ Reservation	—	—	Reserve specific IRQs for use by legacy ISA devices.

IRQ Reservation Submenu of the PCI Configurations Submenu

The IRQ Reservation submenu of the PCI Configurations submenu allows the user to mark various IRQs as reserved for use by legacy ISA devices. When an IRQ is reserved, the BIOS does not use it for embedded PCI or ISA devices.

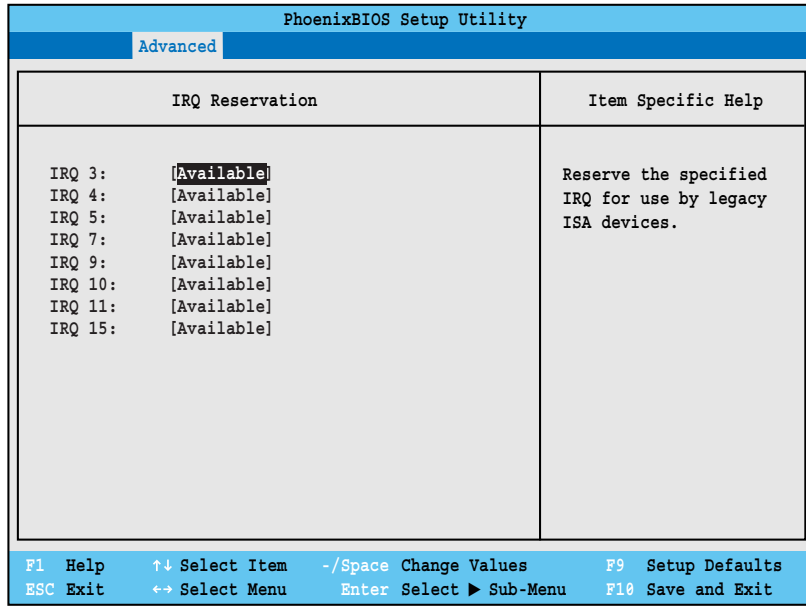
PhoenixBIOS Setup Utility
Advanced
IRQ Reservation
Item Specific Help
IRQ 3: [Available]
IRQ 4: [Available]
IRQ 5: [Available]
IRQ 7: [Available]
IRQ 9: [Available]
IRQ 10: [Available]
IRQ 11: [Available]
IRQ 15: [Available]
Reserve the specified IRQ for use by legacy ISA devices.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 8. IRQ Reservation Submenu

Table 8: Fields, Options and Defaults for the IRQ Reservation Submenu of the PCI Configurations Submenu

Menu Field	Options	Default	Description
IRQ 3:	• Available • Reserved	[Available]	Reserves IRQ 3. If Reserved is selected, BIOS reserves IRQ 3 for use by legacy ISA devices and does not use it for embedded PCI/ISA devices. IRQ 3 is removed from the IRQ bitmap in the PCI IRQ routing table.
IRQ 4:	• Available • Reserved	[Available]	Reserves IRQ 4.
IRQ 5:	• Available • Reserved	[Available]	Reserves IRQ 5.
IRQ 7:	• Available • Reserved	[Available]	Reserves IRQ 7.
IRQ 9:	• Available • Reserved	[Available]	Reserves IRQ 9.
IRQ 10:	• Available • Reserved	[Available]	Reserves IRQ 10.
IRQ 11:	• Available • Reserved	[Available]	Reserves IRQ 11.
IRQ 15:	• Available • Reserved	[Available]	Reserves IRQ 15.

CPU Features Submenu of the Advanced Menu

The CPU Features submenu configures certain features of the CPU in the system.

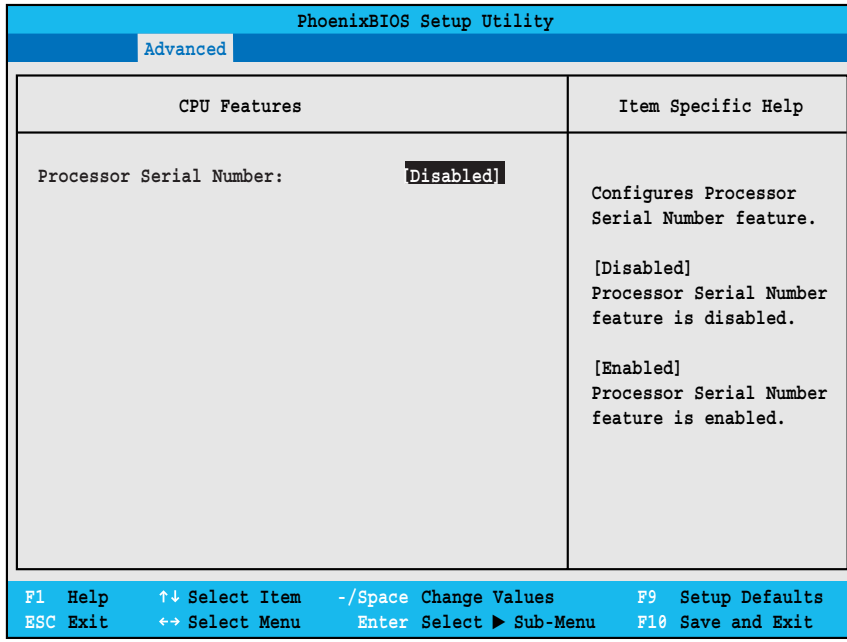

Figure 9. CPU Features Submenu

Table 9: Fields, Options and Defaults for the CPU Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Processor Serial Number:	• Enabled • Disabled	[Disabled]	Enables or disables the Processor Serial Number feature of the processor.

USB Features Submenu of the Advanced Menu

The USB Features submenu configures the USB capabilities of the system.

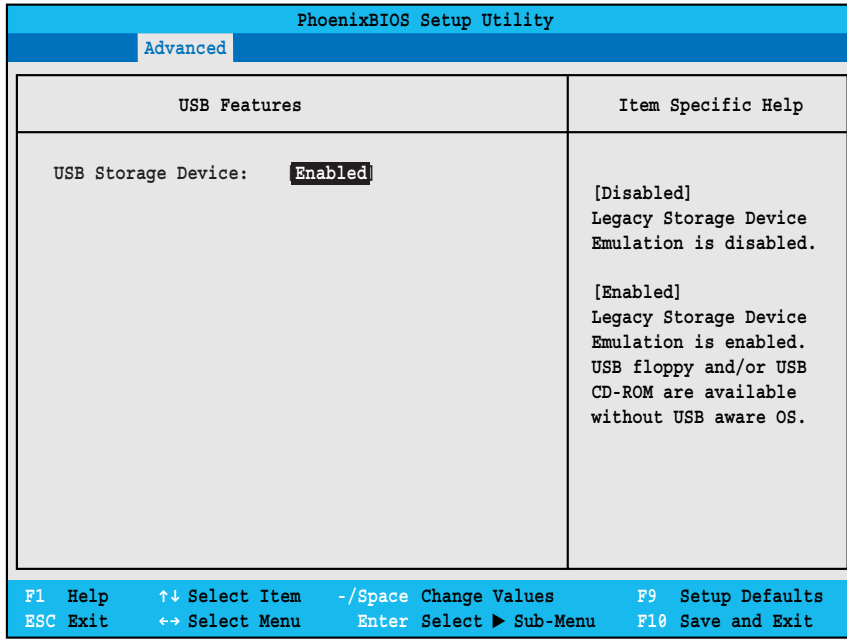

Figure 10. USB Features Submenu

Table 10: Fields, Options and Defaults for the USB Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
USB Storage Device:	• Disabled • Enabled	[Enabled]	When enabled, Legacy Storage Device Emulation is enabled and USB floppy and/or CD-ROM are available without USB-aware OS.

Miscellaneous Configurations Submenu of the Advanced Menu

The Miscellaneous Configurations submenu is for setting up certain miscellaneous system features.

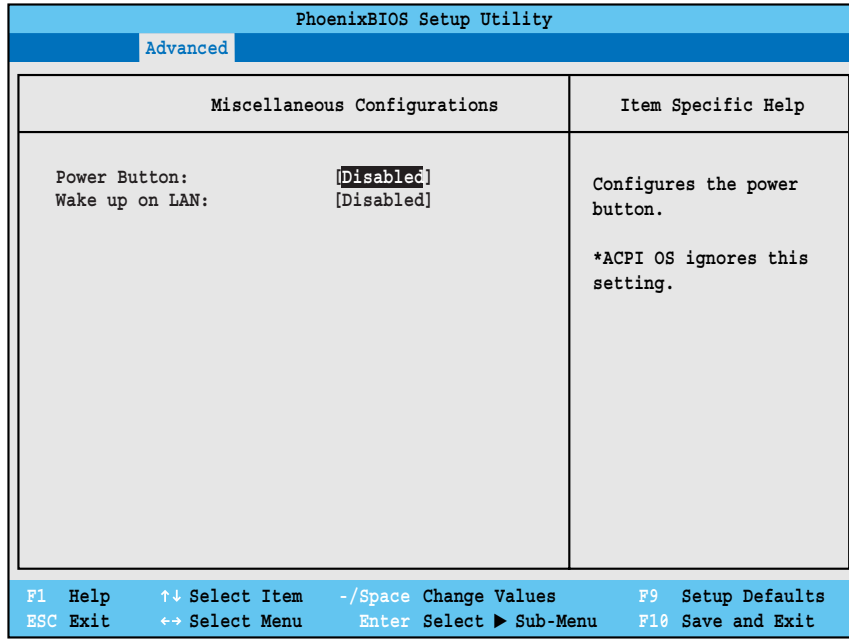
PhoenixBIOS Setup Utility
Advanced
Miscellaneous Configurations
Item Specific Help
Power Button: [Disabled]
Wake up on LAN: [Disabled]
Configures the power button.
*ACPI OS ignores this setting.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 11. Event Logging Submenu

Table 11: Fields, Options and Defaults for the Miscellaneous Configurations Submenu

Menu Field	Options	Default	Description
Power Button:	• Disabled • Power Off	[Disabled]	When Disabled is selected, the power button does not control power. When Power Off is selected, pressing the power button shuts off power to the system.
Wake up on LAN:	• Disabled • Enabled	[Disabled]	When this feature is Enabled, the system will wake up when the internal LAN device receives a Magic Packet while in Power-Off state.

Event Logging Submenu of the Advanced Menu

The Event Logging submenu is for setting up the logs for DMI event logging.

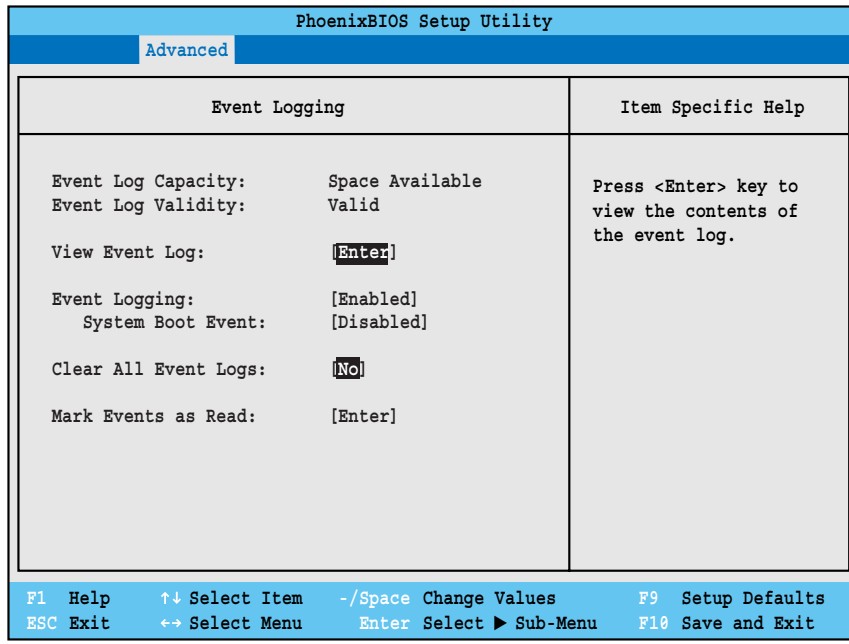
PhoenixBIOS Setup Utility
Advanced
Event Logging
Item Specific Help
Event Log Capacity: Space Available
Event Log Validity: Valid
View Event Log: [Enter]
Event Logging: [Enabled]
System Boot Event: [Disabled]
Clear All Event Logs: [No]
Mark Events as Read: [Enter]
Press <Enter> key to view the contents of the event log.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 12. Event Logging Submenu

Table 12: Fields, Options and Defaults for the Event Logging Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Event Log Capacity:	---	Space Available	Display only
Event Log Validity:	---	Valid	Display only
View Event Log:	• Enter	[Enter]	Allows you to view content of event log.
Event Logging:	• Disabled • Enabled	[Enabled]	Turns event logging on and off for all DMI events.
System Boot Event:	• Disabled • Enabled	[Disabled]	Turns event logging on and off for DMI system boot events.
Clear All Event Logs:	• No • Yes	[No]	When set to [Yes] all event logs will be cleared at next boot.
Mark Events as Read:	• Enter	[Enter]	Allows you to make all events currently in the event log as read.

SECURITY MENU – SETTING THE SECURITY FEATURES

The Security menu allows you to set up the data security features of your notebook to fit your operating needs and to view the current data security configuration. Follow the instructions for Navigating Through the Setup Utility to make any changes.

The following tables show the names of the menu fields for the Security menu and its submenus, the options for each field, the default settings and a description of the field's function and any special information needed to help understand the field's use. The default condition is no passwords required and no write protection.

POINT

If you set a password, write it down and keep it in a safe place. If you forget the password you will have to contact your support representative to regain access to your secured functions and data.

POINTS

- If you make an error when re-entering the password a [Warning] will be displayed on the screen. To try again, press the **Enter** key and then retype the password. Press the **Esc** key to abort the password setting process.
- Entering a password incorrectly three times in a row will cause the keyboard and mouse to be locked out and the warning [System Disabled] to be displayed. If this happens, restart the computer by turning off and on the power with the power switch and use the correct password on reboot.
- If the Password on Resume is Enabled and the Password on Boot is Disabled you will not have to type your password upon resuming the system from the Suspend or Save-to-Disk modes. Power Management Security will work only if Password on Boot is enabled.

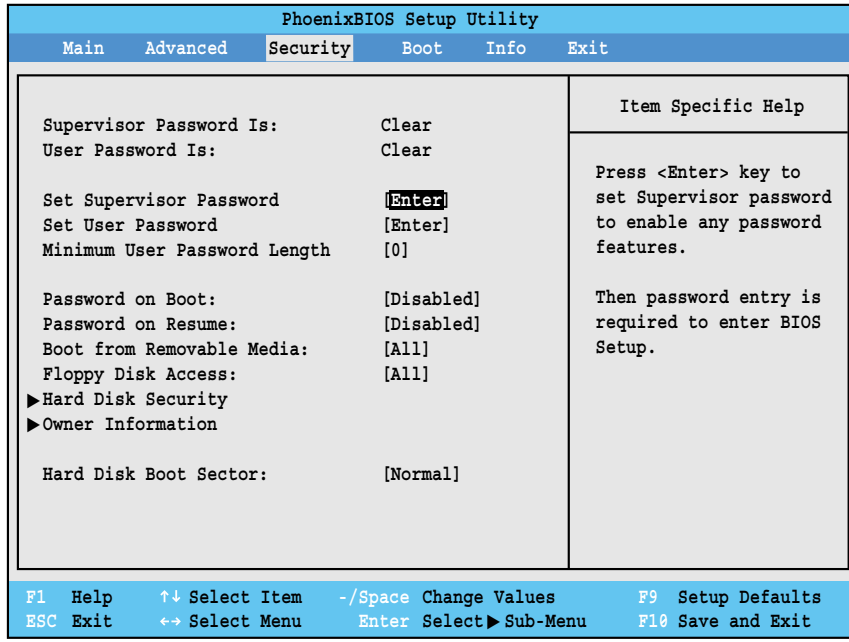
PhoenixBIOS Setup Utility
Main Advanced Security Boot Info Exit
Item Specific Help
Supervisor Password Is: Clear
User Password Is: Clear
Set Supervisor Password [Enter]
Set User Password [Enter]
Minimum User Password Length [0]
Password on Boot: [Disabled]
Password on Resume: [Disabled]
Boot from Removable Media: [All]
Floppy Disk Access: [All]
▶Hard Disk Security
▶Owner Information
Hard Disk Boot Sector: [Normal]
Press <Enter> key to set Supervisor password to enable any password features.
Then password entry is required to enter BIOS Setup.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select▶Sub-Menu F10 Save and Exit

Figure 13. Security Menu

Table 13: Fields, Options and Defaults for the Security Menu

Menu Field	Options	Default	Description
Supervisor Password is:	—	Clear	A display-only field. Set is displayed when the system supervisor password is set and Clear when it is not.
User Password is:	—	Clear	A display-only field. Set is displayed when the general user password is set, and Clear when it is not.
Set Supervisor Password	—	[Enter]	Sets, changes or cancels the Supervisor Password. The Supervisor Password may be up to seven characters long and must include only letters or numbers (no symbols). Passwords are NOT case-sensitive. To cancel a password press the **Enter** key instead of entering characters in the Enter New Password field and in the Re-enter New Password field. When a Supervisor Password is set it must be used to access the BIOS setup utility.
Set User Password	—	[Enter]	Can only be accessed if Supervisor Password is set. Sets, changes or cancels the User Password. The User Password may be up to seven characters long and must include only letters or numbers (no symbols). Passwords are NOT case-sensitive. To cancel a password press the **Enter** key instead of entering characters in the Enter New Password field and in the Re-enter New Password field. When a User Password is set it must be used to access the BIOS setup utility.
Minimum User Password Length:	—	[0]	—
Password on Boot:	• Disabled • First Boot • Every Boot	[Disabled]	When set to Disabled, no password is required. When set to First Boot, password entry required only before first boot. When Every Boot is selected, password required whenever the system is booted.
Password On Resume:	• Disabled • Enabled	[Disabled]	When Enabled, PS/2 keyboard and mouse inputs are locked out upon Resume From Suspend or Save-to-Disk until entering password.
Boot from Removable Media:	• All • Supervisor only	[All]	When Supervisor Only is selected, only the Supervisor can boot from removable media. Only the user who enters the Supervisor Password before OS boot is treated as the Supervisor. When All is selected, boot from removable media is not restricted.
Floppy Disk Access:	• All • Supervisor only	[All]	When Supervisor Only is selected, only the Supervisor can access the floppy disk. Only the user who enters the Supervisor Password before OS boot is treated as the Supervisor. When All is selected, floppy disk access is not restricted.
Hard Disk Security:	—	—	Configures hard disk security features.
Owner Information:	—	—	Sets Owner information.
Hard Disk Boot Sector:	• Normal • Write Protected	[Normal]	Sets protection mode for hard disk drive.

Exiting from the Security Menu

When you have finished setting the parameters on the Security Menu, you can either exit from setup utility or move to another menu. If you wish to exit from setup utility, press the [**Esc**] key to go to the Exit Menu. If you wish to move to another menu, use the cursor keys.

Hard Disk Security Submenu of the Security Menu

The Hard Disk Security submenu is for configuring hard disk security features.

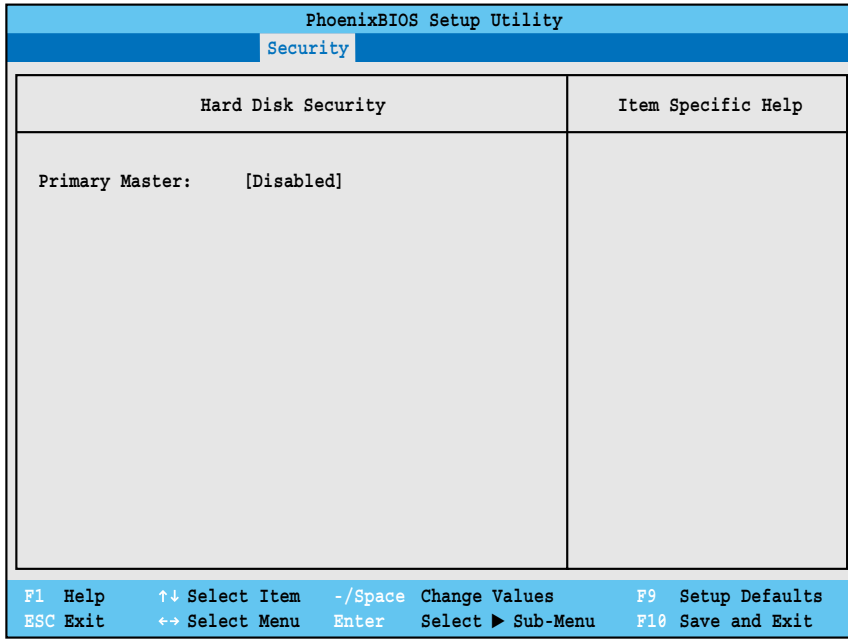
PhoenixBIOS Setup Utility
Security
Hard Disk Security
Item Specific Help
Primary Master: [Disabled]
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 14. Hard Disk Security Submenu

Table 14: Fields, Options and Defaults for the Hard Disk Security Submenu of the Security Menu

Menu Field	Options	Default	Description
Primary Master:	• Disabled • Enabled	[Disabled]	Disabled: No password protection. Enabled: Hard drive is locked with the password. Data in the locked disk cannot be read on any systems other than the original system on which it was locked, or on systems that have the identical password setting.

Owner Information Submenu of the Security Menu

The Owner Information submenu is for setting owner information.

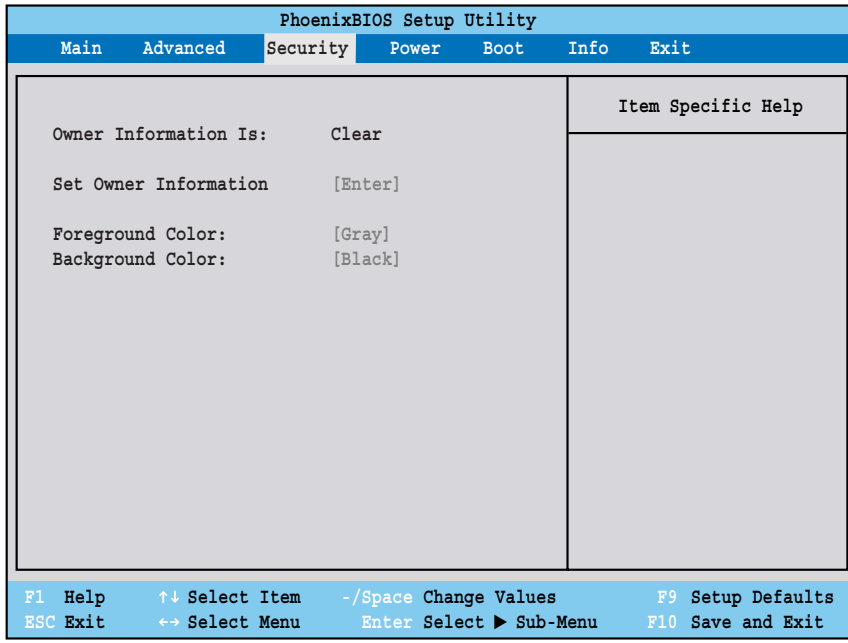
PhoenixBIOS Setup Utility
Main Advanced Security Power Boot Info Exit
Item Specific Help
Owner Information Is: Clear
Set Owner Information [Enter]
Foreground Color: [Gray]
Background Color: [Black]
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 15. Owner Information Submenu

Table 15: Fields, Options and Defaults for the Owner Information Submenu of the Security Menu

Menu Field	Options	Default	Description
Owner Information Is:	—	Clear	Display only.
Set Owner Information:	—	[Enter]	Field to write owner information, i.e. name.
Foreground Color:	• Black • Blue • Green • Cyan • Red • Magenta • Brown • White • Gray • Light Blue • Light Green • Light Cyan • Light Red • Light Magenta • Light Yellow • Bright White	[Gray]	
Background Color:	• Black • Blue • Green • Cyan • Red • Magenta • Brown • White • Gray • Light Blue • Light Green • Light Cyan • Light Red • Light Magenta • Light Yellow • Bright White	[Black]	

BOOT MENU – SELECTING THE OPERATING SYSTEM SOURCE

The Boot Menu is used to select the order in which the BIOS searches sources for the operating system. Follow the instructions for Navigating Through the Setup Utility to make any changes.

The following tables show the names of the menu fields for the Boot menu and its submenu, all of the options for each field, the default settings and a description of the field's function and any special information needed to help understand the field's use.

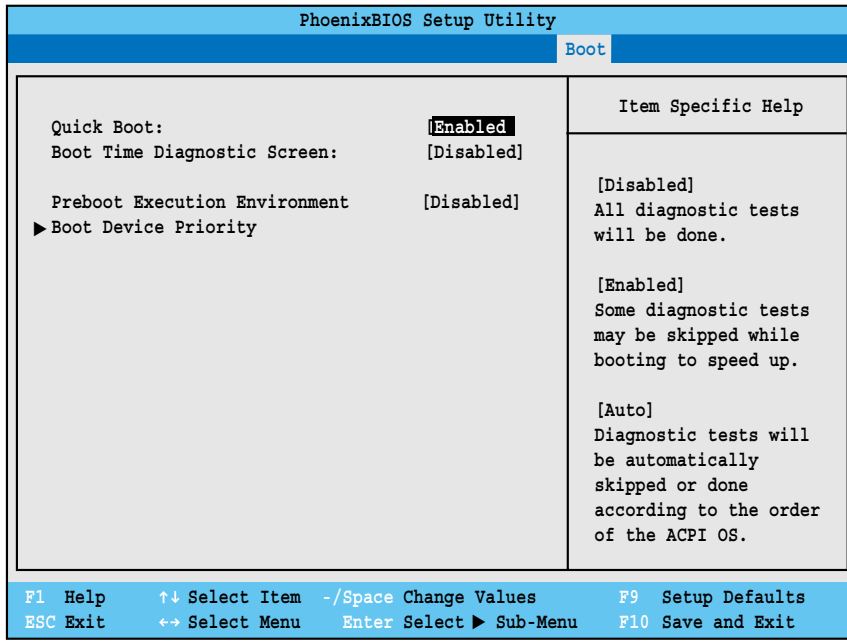
PhoenixBIOS Setup Utility
Boot
Quick Boot: [Enabled]
Boot Time Diagnostic Screen: [Disabled]
Preboot Execution Environment [Disabled]
▶ Boot Device Priority
Item Specific Help
[Disabled]
All diagnostic tests will be done.
[Enabled]
Some diagnostic tests may be skipped while booting to speed up.
[Auto]
Diagnostic tests will be automatically skipped or done according to the order of the ACPI OS.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 16. Boot Menu

Table 16: Fields, Options and Defaults for the Boot Menu

Menu Field	Options	Default	Description
QuickBoot Mode:	• Disabled • Enabled • Auto	[Enabled]	Turns on and off booting with a truncated set of Power On Self Test. (Fewer tests mean faster turn on.)
Boot-time Diagnostic Screen:	• Disabled • Enabled	[Disabled]	Turns on and off display of test results instead of Fujitsu logo screen during Power On Self Test.
Preboot Execution Environment	• Disabled • Enabled	[Disabled]	Turns off and on the preboot execution environment feature. Note: This feature does not appear on systems with a wireless LAN installed.
Boot Device Priority	• Selects the Boot Device Priority submenu	—	This menu allows setting up the source for the operating system.

Boot Device Priority Submenu of the Boot Menu

The Boot Device Priority submenu is for setting the order of checking of sources for the operating system.

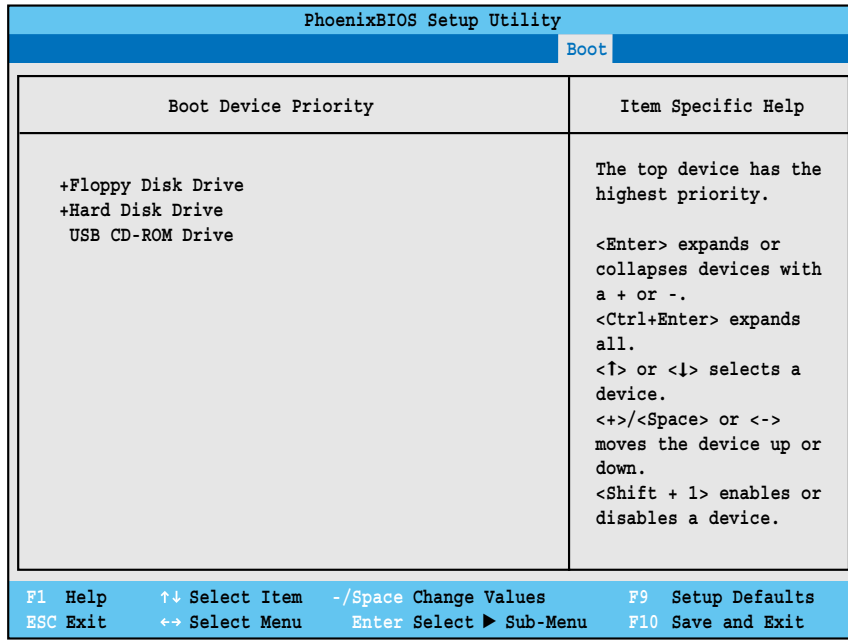
PhoenixBIOS Setup Utility
Boot
Boot Device Priority
Item Specific Help
+Floppy Disk Drive
+Hard Disk Drive
USB CD-ROM Drive
The top device has the highest priority.
<Enter> expands or collapses devices with a + or -.
<Ctrl+Enter> expands all.
<↑> or <↓> selects a device.
<+>/<Space> or <-> moves the device up or down.
<Shift + 1> enables or disables a device.
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 17. Boot Device Priority Submenu

Table 17: Fields, Options and Defaults for the Boot Device Priority Submenu of the Boot Menu

Menu Field	Options	Description
Floppy Disk Drive	Y-E DATA USB-FDU-(USB)	The boot selections determine the order in which the BIOS searches for the operating system during a startup sequence. To change the order highlight one source by using the [**up**] or [**down**] cursor keys and then press the [+] or [-] key to change the order number for that source. Be sure to save your changed order when you exit the BIOS setup utility.
Hard Disk Drive	• TOSHIBA MK3018GAP-(PM) • Bootable Add-in Cards	
USB CD-ROM Drive		

Exiting from Boot Menu

When you have finished setting the boot parameters with the Boot menu, you can either exit from the setup utility or move to another menu. If you wish to exit from the setup utility press the [**Esc**] key to go to the Exit menu. If you wish to move to another menu, use the cursor keys.

INFO MENU - DISPLAYS BASIC SYSTEM INFORMATION

The Info menu is a display-only screen that provides the configuration information for your notebook.

The following table shows the names of the menu fields for the Info menu and the information displayed in those fields. These fields are for information purposes only, and are not editable.

POINT

The information displayed on this screen is variable according to the unit you purchased.

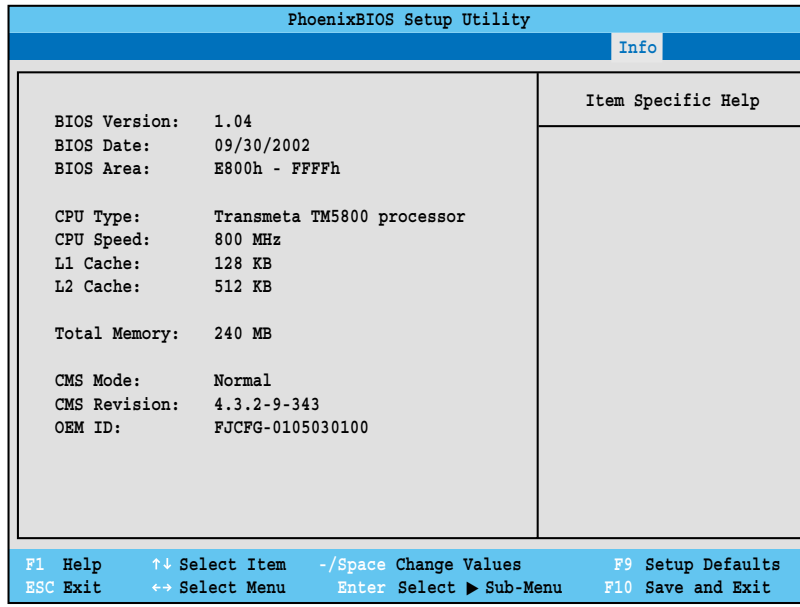
PhoenixBIOS Setup Utility
Info
Item Specific Help
BIOS Version: 1.04
BIOS Date: 09/30/2002
BIOS Area: E800h - FFFFh
CPU Type: Transmeta TM5800 processor
CPU Speed: 800 MHz
L1 Cache: 128 KB
L2 Cache: 512 KB
Total Memory: 240 MB
CMS Mode: Normal
CMS Revision: 4.3.2-9-343
OEM ID: FJCFG-0105030100
F1 Help ↑↓ Select Item -/Space Change Values F9 Setup Defaults
ESC Exit ↔ Select Menu Enter Select ▶ Sub-Menu F10 Save and Exit

Figure 18. Info Menu

Table 18: Fields, Options and Defaults for the Info Menu

Menu Field	Default	Menu Field	Default
BIOS Version:	1.04	L2 Cache:	512 KB
BIOS Date:	09/30/2002	Total Memory:	240 MB
BIOS Area:	E800h – FFFFh	CMS* Mode:	Normal
CPU Type:	Transmeta TM5800 processor	CMS* Revision:	4.3.2-9-343
CPU Speed:	800 MHz	OEM ID:	FJCFG-0105030100
L1 Cache:	128 KB	*CMS = Code Morphing Software (Crusoe processor software architecture that results in longer battery life.)	

EXIT MENU – LEAVING THE SETUP UTILITY

The Exit Menu is used to leave the setup utility. Follow the instructions for Navigating Through The Setup Utility to make any changes. The table shows the names of the menu fields for the Exit menu and a description of the field's function and any special information needed to help understand the field's use.

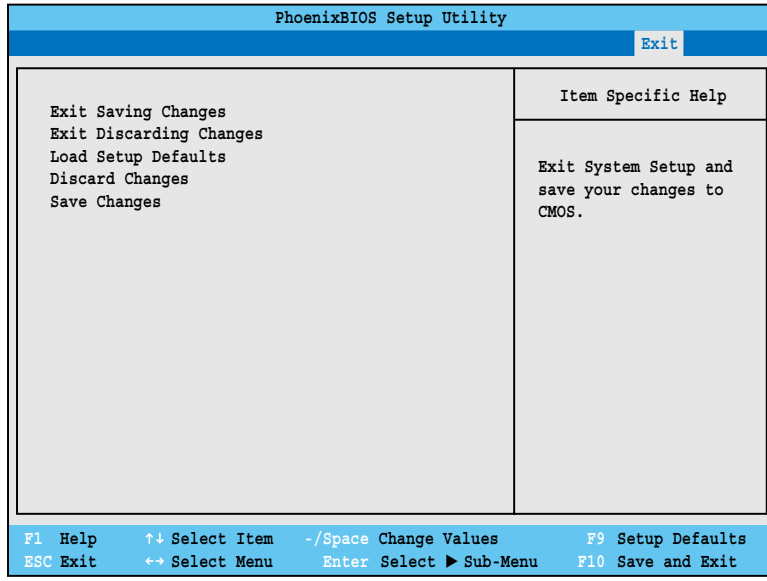

Figure 19. Exit Menu

Table 19: Fields, Options and Defaults for the Exit Menu

Menu Field	Shortcut	Description
Exit Saving Changes	Press the F10 key	Exit Saving Changes and Exit will store all the entries on every menu of the setup utility to the BIOS memory and then exit the setup utility. A confirmation message `Save Configuration changes and exit now? [Yes] [No]` will be displayed.
Exit Discarding Changes	—	Selecting Exit Discarding Changes will exit the setup utility without writing to the BIOS memory. When the BIOS recognizes this selection it will load the operating system and begin operation.
Load Setup Defaults	Press the F9 key	Selecting Load Setup Defaults will load the factory preset default values for all menu fields, then display the message `Load default configuration now? [Yes] [No].` When confirmed the setup utility will return to the Exit Menu. To return to another menu follow the directions in the Navigating Through The Setup Utility section.
Discard Changes	—	Selecting Discard Changes will load the previous values in BIOS memory for all menu fields. The message `Load previous now? [Yes] [No]` will be displayed. When confirmed the setup utility will return to the Exit menu. To return to another menu, follow the directions in the Navigating Through The Setup Utility section.

Table 19: Fields, Options and Defaults for the Exit Menu

Menu Field	Shortcut	Description
Save Changes	—	Selecting Save Changes will cause the new settings in all menus to be written to the BIOS memory. The message `Save configuration changes now? [Yes] [No]` will be displayed. When confirmed, the setup utility will return to the Exit menu. To return to another menu, follow the directions in the Navigating Through The Setup Utility section.